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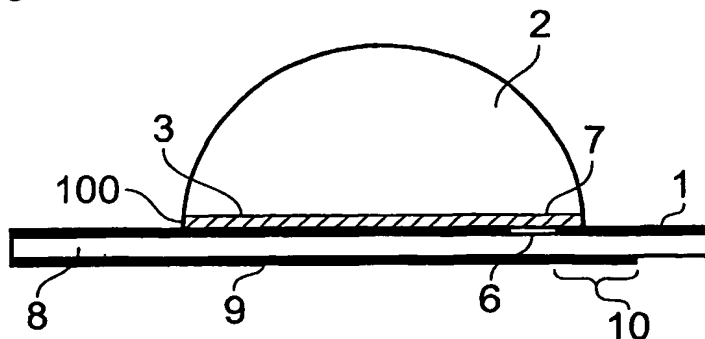
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(54) Title: DIELECTRIC RESONATOR ANTENNA

(57) Abstract: There is disclosed  
a dielectric resonator antenna  
adapted to resonate in an EH<sub>118</sub>  
resonance mode, and also a  
method for the manufacture  
thereof. The desired resonance  
mode is achieved by careful  
positioning of a dielectric  
resonator (2) on a grounded  
substrate (1), the resonator (2)  
being fed by way of a microstrip  
feed line (9) and a slot (6) in the  
grounded substrate (1). Because  
the EH<sub>118</sub> resonance mode has  
nulls in a direction of longitudinalextension of the dielectric resonator (2), a plurality of antenna can be placed end-to-end so as to form an array with reduced  
coupling between adjacent antennas and with vertical polarisation, which is desirable for mobile communications applications.